



PATENT APPLICATION NO.: 09/994,479
ATTORNEY DOCKET NO.: 03226.035001;P5030

#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : David PINI et al.
Serial No.: 09/994,479
Filed : November 27, 2001
Title : METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY
AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

Art Unit : 2171
Examiner :

Assistant Commissioner for Patents
Washington, DC 20231



22511

PATENT TRADEMARK OFFICE

UNAVAILIBILTiy OF INVENTOR PETITION UNDER 37 C.F.R. 1.47

Dear Sir:

In response to the Notice to Filing Missing Parts dated December 12, 2001, please consider the following reply.

The application lists three inventors: David Pini, Yuefei Ge, and Anup Tirumala. A signed Declaration for Yuefei Ge has been submitted with this reply. However, after diligent effort, we have been unable to get signed Declarations from David Pini and Anup Tirumala. A chronological proof of the pertinent facts relating to our efforts to contact David Pini and Anup Tirumala is attached to this reply. In view of our diligent attempts to contact the unavailable inventors, we hereby petition under 37 C.F.R. 1.47 that the above identified application be examined without the signed Declarations from the unavailable inventors.

The last known address of Anup Tirumala is 421 Camille Circle #15, San Jose, CA 95134. The last known address of David Pini is 838 E. Dana Street, Mountain View, CA 94041.

We thereby request that the application be examined without the signatures of David Pini and Anup Tirumala. Further, while under the employ of Sun Microsystems, both David Pini and Anup Tirumala were under an obligation to assign their rights to the invention to Sun Microsystems, to which Yuefei Ge has assigned his interest.

03/06/2002 SDENED01 00000074 09994479

04 FC:122

130.00 09

A check in the amount of \$130.00 is enclosed along with this Petition. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 03226.035001; P5030).

Respectfully submitted,

Date: 2/12/02



Jonathan P. Osha, Reg. No. 33,986
Rosenthal & Osha L.L.P.
One Houston Center, Suite 2800
1221 McKinney Street
Houston, TX 77010

Telephone: (713) 228-8600
Facsimile: (713) 228-8778

25602_1

CHRONOLOGY

Attachment A

May 8, 2001

09:22 a.m. email sent from us to Yuefei Ge (*at* yeufei.ge@eng.sun.com) and to Anup Tirumala (*at* anup.tirumala@eng.sun.com). Email stated we were ready to send out final draft packages and needed (Mr. Ge's) address information for the Declaration (home address information for Messrs. Tirumala and Pini was provided to us in the original disclosure). Further, we requested that because Mr. Pini had recently left Sun, did either Mr. Tirumala or Mr. Ge have a phone, fax or email address by which we could let him know to expect this package

Attachment B

11:44 a.m. email received by us from Yuefei Ge containing his Sun address information, as well as 2 possible email addresses for Mr. Pini (david.pini@yahoo.com or dpini@yahoo.com)

Attachment C

May 9, 2001

Final draft package sent (*via regular U.S. Mail*) to Yuefei Ge and Anup Tirumala at Sun Microsystems, Inc., 901 San Antonio Road, M/S: USUN03-202, Palo Alto, CA 94303

Final draft package sent (*via regular U.S. Mail*) to David M. Pini at 838 East Dana Street, Mountainview, CA 94041

Attachment D

May 31, 2001

Yuefei Ge responded via email to our package sent May 9, 2001. Mr. Ge said he had not received the package we sent to him until May 31, 2001. Further, he stated that his home address was incorrect on the Declaration, and needed to be changed

Attachment E

June 1, 2001

We received/responded to email sent from Yuefei Ge on 05/31/01, stating that we would correct the declaration and send it out immediately for his signature

Attachment F

July 31, 2001

A complete copy of the final draft package originally sent on May 9, 2001 (with a new cover letter) was sent (*via DHL USA Overnight*) to Anup Tirumala at 3061 Zanker Road, Suite B, San Jose, CA 95134

Attachment G

November 7, 2001 Email sent to Anup Tirumala at anupst@yahoo.com regarding the need for us to contact him re this invention (response sent from him late 11/07/01, received by me the morning of 11/08/01)

Attachment H

November 8, 2001 Email sent to David M. Pini at david.pini@yahoo.com and also to dpini@yahoo.com regarding the need for us to contact him re this invention.

Attachment I

November 8, 2001 Later in the day we got a "failure delivery" message from Yahoo saying there were no addresses matching either of these, and that delivery of the message was aborted

Attachment J

November 8, 2001 Response email received from Anup Tirumala. He apologized for not having gotten back to us sooner (he had been out of the country). He gave new home address (Camille Circle) for the Declaration and said to send the formal papers there

Attachment K

November 8, 2001 Final draft package sent (*via Sun facsimile number 408-616-5523*) to Yuefei Ge, with confirmation copy of same (*via Regular U.S. Mail*) sent to his Sun address (901 San Antonio Road, M/S: USUN03-202, Palo Alto, CA 94303)

Final draft package sent (*via DHL USA Overnight*) to David M. Pini at 838 East Dana Street, Mountainview, CA 94041

Final draft package sent (*via DHL USA Overnight*) to Anup Tirumala at 421 Camille Circle, #15, San Jose, CA 95134

No Attachment

November 27, 2001 Application filed with missing parts.

Wendy Hippe

From: Yuefei Ge [Yuefei.Ge@Sun.COM]
Sent: Tuesday, May 08, 2001 11:44 AM
To: Wendy Hippe
Cc: Yuefei.Ge@Sun.COM
Subject: Re: Sun Ref: P5030, Our Ref: 03226.035001



> From: "Wendy Hippe" <hippe@rosha.com>
> To: <yuefei.ge@eng.sun.com>, <anup.tirumala@eng.sun.com>
> Cc: "'Tak'" <Nemoto@rosha.com>
> Subject: Sun Ref: P5030, Our Ref: 03226.035001
> Date: Tue, 8 May 2001 09:22:17 -0500
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> Content-Transfer-Encoding: 7bit
> X-Priority: 3 (Normal)
> X-MSMail-Priority: Normal
> Disposition-Notification-To: "Wendy Hippe" <hippe@rosha.com>
> X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3612.1700
> Importance: Normal
> X-SLUIDL: EDB5E827-434511D5-A5390080-5F65AE34
>
> Patent Application: "Method of Doing Signed Loads With the Same Latency as
> Unsigned Loads in a High-Frequency Processor"
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> Good Morning Gentlemen,
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> I am assisting Mr. Nemoto and will be forwarding a final draft of the
> referenced application to you today, along with a Declaration and Assignment
> for your signature. Please provide me with your current address, Country of
> citizenship, telephone and fax number.

MS USUN03-202
430 N Mary Ave.
Sunnyvale, CA 94086
408-774-8239 (Office)
408-616-5523 (Fax)

Country of citizenship: China

Thanks

> Also, I understand that Mr. David M. Pini is a co-author of this application
> but no longer employed at Sun. Do you have a phone number or E-mail address
> so that I may contact him?

I lost contact with him, you may try dpini@yahoo.com or david.pini@yahoo.com

> Many thanks for your help.

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>
> Wendy L. Hippe
> Rosenthal & Osha L.L.P.
> 700 Louisiana, Suite 4550
> Houston, Texas 77002
> TEL: (713) 228-8600
> FAX: (713) 228-8778

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ROSENTHAL & OSHA L.L.P.

SUITE 4550, 700 LOUISIANA STREET, HOUSTON, TEXAS 77002

TELEPHONE: (713) 228-8600

FACSIMILE: (713) 228-8778

E-MAIL: osha@rosha.com

May 9, 2001



Messrs. Y. Ge and A. S. Tirumala
Sun Microsystems, Inc.
M/S: USUN03-202
901 San Antonio Road
Palo Alto, CA 94303

Mr. D. M. Pini
838 E. Dana St.,
Mountain View, CA 94041

Re: New U.S. Patent Application Entitled
"Method of Processing Signed Loads with the Same Latency as
Unsigned Loads in a High-Frequency Processor"
Inventor(s): David M. Pini, Yuefei Ge and Anup S. Tirumala
Our File: 03226.035001
Your Reference: P5030

Gentlemen:

Thank you for your assistance in the preparation of the referenced patent application. Please find enclosed the final draft of the application, the Declaration, and Assignment. Please review the application and sign the hard copies of the Declaration and Assignment which you will receive by mail with the original of this letter. Upon signing the documents, please return a copy to us via facsimile. In addition, please forward the original executed documents to us by U.S. mail. These documents need to be returned to us prior to May 18, 2001. If you have any final comments to provide, please do so as soon as possible and do **NOT** sign the Declaration and Assignment until you have received a corrected copy of the application from us.

If you have any questions, please do not hesitate to contact us.

Very truly yours,

Richard A. Fagin for

Jonathan P. Osha

JPO/TN/wlh
Enclosures

cc: Mr. Sean Lewis

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SUN MICROSYSTEMS, INC.

having the following address:

**901 San Antonio Road, MS PAL01-521
Palo Alto, California 94303**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

ROSENTHAL & OSHA L.L.P.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

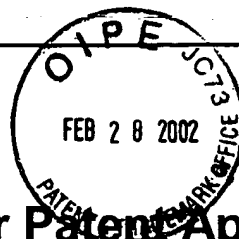
_____ Date	Signature: _____ Print or Type Name: David M. Pini
_____ Date	Signature: _____ Print or Type Name: Yuefei Ge
_____ Date	Signature: _____ Print or Type Name: Anup S. Tirumala
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date:

ROSENTHAL & OSHA L.L.P.



Docket No.
03226.035001;P5030

Declaration For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor David M. Pini	
Sole or first inventor's signature	Date
Residence 838 E. Dana St., Mountain View, CA 94041	
Citizenship USA	
Post Office Address 838 E. Dana St., Mountain View, CA 94041	

Full name of second inventor, if any Yuefei Ge	
Second inventor's signature	Date
Residence 430 N. Mary Ave., Sunnyvale, CA 94086	
Citizenship China	
Post Office Address 430 N. Mary Ave., Sunnyvale, CA 94086	

Full name of third inventor, if any Anup S. Tirumala	
Third inventor's signature	Date
Residence 421 Camille Circle, San Jose CA 95134	
Citizenship India	
Post Office Address 421 Camille Circle, San Jose CA 95134	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

FIRST DRAFT
SUN PROPRIETARY/ATTORNEY WORK PRODUCT



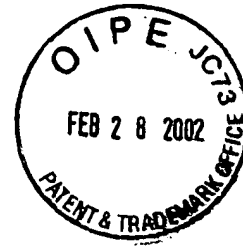
APPLICATION
FOR
UNITED STATES LETTERS PATENT

TITLE: **METHOD OF DOING SIGNED LOADS WITH THE
SAME LATENCY AS UNSIGNED LOADS IN A HIGH-
FREQUENCY PROCESSOR**

APPLICANTS: **David PINI, Yuefei GE and Anup TIRUMALA**

Wendy Hippe

From: Wendy Hippe [hippe@rosha.com]
Sent: Friday, June 01, 2001 2:37 PM
To: 'Yuefei Ge'
Cc: 'David M.'; 'Tak'
Subject: RE: Sun Ref: P5030, Our Ref: 03226.035001



Hello Mr. Ge,

Thank you for your e-mail this morning. My apologies for the mix-up in addresses. I will send a new declaration for your signature and ask that you return it as soon as possible.

Regards,

Wendy L. Hippe
Rosenthal & Osha L.L.P.
700 Louisiana, Suite 4550
Houston, Texas 77002
TEL: (713) 228-8600
FAX: (713) 228-8778

CONFIDENTIALITY NOTICE

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-----Original Message-----

From: Yuefei Ge [mailto:Yuefei.Ge@Sun.COM]
Sent: Thursday, May 31, 2001 6:36 PM
To: Wendy Hippe
Cc: 'Tak'; Yuefei.Ge@Sun.COM
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Hi, Wendy:

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In the page three, My residence was printed as 430 N. Mary Ave., Sunnyvale, CA 94086 which is the building which I am working at. My residence is 1407 Bing Dr., San Jose, CA 95129. Sorry for the confusion. So is my Post office address.

Should I sign and return it to you regardless of the above error, or wait for you to send me a correct copy to sign? Please let me know.

thanks
Yuefei

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ROSENTHAL & OSHA L.L.P.

SUITE 4550 • 700 LOUISIANA STREET
HOUSTON • TEXAS 77002
TELEPHONE: (713) 228-8600 FACSIMILE: (713) 228-8778



July 31, 2001

Via DHL Worldwide Express
Ticket No.: 8984207341

Mr. Anup S. Tirumala
3061 Zanker Road, Suite B
San Jose, CA 95134

Re: New U.S. Patent Application Entitled
"Method of Processing Signed Loads with the Same Latency as
Unsigned Loads in a High-Frequency Processor"
Inventor(s): David M. Pini, Yuefei Ge and Anup S. Tirumala
Our File: 03226.035001
Your Reference: P5030

Dear Mr. Tirumala:

Enclosed herein please find a copy of the instruction letter, the formal papers and a final draft of the patent application for the above referenced invention. These documents were originally sent to you in care of your former Sun Microsystems, Inc. address, on May 9, 2001.

Please review the application and sign the Declaration and Assignment. Upon signing the documents, please return a copy to us via facsimile. In addition, please forward the original executed documents to us by U.S. mail. These documents need to be returned to us as soon as possible. If you have any final comments to provide, please do so as soon as possible and do **NOT** sign the Declaration and Assignment until you have received a corrected copy of the application from us.

If you have any questions, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in black ink, appearing to read "D. E. Mixon", with a stylized flourish at the end.

David E. Mixon

JPO/DEM/bwh
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1-800-CALL-DHL (Non negotiable)
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Shipper's reference
03226.035001

Company name
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Shipper's name
B. Hartwell

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700 LOUISIANA ST
HOUSTON TX

Zip code (required)
770022700

Phone/Fax/E-mail circle one (required)
(713) 228-8600

2 To (Recipient)
Company name

Attention
ANUP TIRUMALA

Delivery address
DHL cannot deliver to a PO Box

3061 Zanker Road
Suite B
San Jose, CA

Zip/Postcode (required)
95134

Phone/Fax/E-mail circle one (required)
408-895-5039

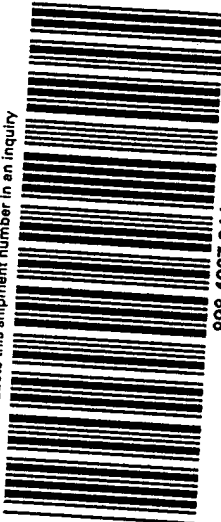
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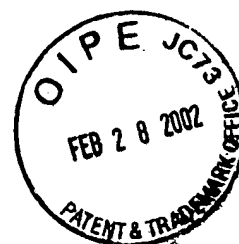
TELEPHONE: (713) 228-8600

FACSIMILE: (713) 228-8778

E-MAIL: osha@rosha.com

May 9, 2001

Messrs. Y. Ge and A. S. Tirumala
Sun Microsystems, Inc.
M/S: USUN03-202
901 San Antonio Road
Palo Alto, CA 94303



Mr. D. M. Pini
838 E. Dana St.,
Mountain View, CA 94041

Re: New U.S. Patent Application Entitled
"Method of Processing Signed Loads with the Same Latency as
Unsigned Loads in a High-Frequency Processor"
Inventor(s): David M. Pini, Yuefei Ge and Anup S. Tirumala
Our File: 03226.035001
Your Reference: P5030

Gentlemen:

Thank you for your assistance in the preparation of the referenced patent application. Please find enclosed the final draft of the application, the Declaration, and Assignment. Please review the application and sign the hard copies of the Declaration and Assignment which you will receive by mail with the original of this letter. Upon signing the documents, please return a copy to us via facsimile. In addition, please forward the original executed documents to us by U.S. mail. These documents need to be returned to us prior to May 18, 2001. If you have any final comments to provide, please do so as soon as possible and do **NOT** sign the Declaration and Assignment until you have received a corrected copy of the application from us.

If you have any questions, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in cursive script that reads "Jonathan P. Osha".

Jonathan P. Osha

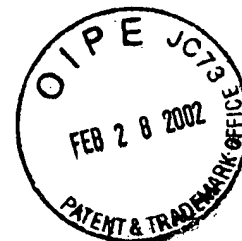
JPO/TN/wlh
Enclosures

cc: Mr. Sean Lewis

Docket No.
03226.035001;P5030

Declaration For Patent Application

English Language Declaration



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)



(Number)

(Country)

(Day/Month/Year Filed)



(Number)

(Country)

(Day/Month/Year Filed)



I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor David M. Pini	
Sole or first inventor's signature	Date
Residence 838 E. Dana St., Mountain View, CA 94041	
Citizenship USA	
Post Office Address 838 E. Dana St., Mountain View, CA 94041	

Full name of second inventor, if any Yuefei Ge	
Second inventor's signature	Date
Residence 1407 Bing Drive, San Jose, CA 95129	
Citizenship China	
Post Office Address 1407 Bing Drive, San Jose, CA 95129	

Full name of third inventor, if any Anup S. Tirumala	
Third inventor's signature	Date
Residence 421 Camille Circle, San Jose CA 95134	
Citizenship India	
Post Office Address 421 Camille Circle, San Jose CA 95134	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SUN MICROSYSTEMS, INC.

having the following address:

**901 San Antonio Road, MS PAL01-521
Palo Alto, California 94303**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

ROSENTHAL & OSHA L.L.P.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____ Date	Signature: _____ Print or Type Name: David M. Pini
_____ Date	Signature: _____ Print or Type Name: Yuefei Ge
_____ Date	Signature: _____ Print or Type Name: Anup S. Tirumala
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date:

ROSENTHAL & OSHA L.L.P.

FIRST DRAFT
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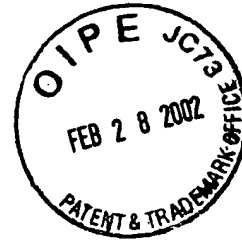
APPLICATION
FOR
UNITED STATES LETTERS PATENT

TITLE: **METHOD OF DOING SIGNED LOADS WITH THE
SAME LATENCY AS UNSIGNED LOADS IN A HIGH-
FREQUENCY PROCESSOR**

APPLICANTS: **David PINI, Yuefei GE and Anup TIRUMALA**

Beri W. Hartwell

From: Beri W. Hartwell [hartwell@rosha.com]
Sent: Wednesday, November 07, 2001 5:47 PM
To: anupst@yahoo.com
Cc: Wasif Qureshi
Subject: Sun reference number P5030



Dear Anup:

My name is Beri Hartwell and I am the assistant to Wasif Qureshi. I was also previously the assistant to David Mixon. Both Messrs. Qureshi and Mixon have worked on the referenced Sun patent application, entitled "Method of Processing Signed Loads with the Same Latency as Unsigned Loads in a High-Frequency Processor".

On July 31, 2001 we sent a final draft package (including the Declaration and Assignment) to you at the address we had on file: 3061 Zanker Road, Suite B, San Jose, CA 95134. We never received back your comments to the application (if any) or the signed formal papers. We recently learned you are currently out of the country.

We would greatly appreciate it if you would provide us with an address where we could re-send to you the final draft and formal papers for this application. A facsimile number would be preferable but a physical address would also suffice.

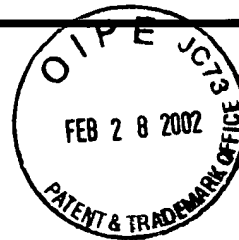
We would very much like to file this application as soon as possible, so your attention to this matter is appreciated. Should you have any questions concerning our request, please feel free to contact either Mr. Qureshi or me.

Thank you.

*Beri Hartwell
Rosenthal & Osha L.L.P.
700 Louisiana, Suite 4550
Houston, Texas 77002
(713) 228-8600
hartwell@rosha.com*

Beri W. Hartwell

From: Beri W. Hartwell [hartwell@rosha.com]
Sent: Thursday, November 08, 2001 10:00 AM
T : dpini@yahoo.com; david.pini@yahoo.com
Cc: Wasif Qureshi
Subject: Sun Reference No. P5030 (our file 03226.035001)



Mr. Pini:

My name is Beri Hartwell and I am the assistant to Wasif Qureshi. I was also previously the assistant to David Mixon. Both Messrs. Qureshi and Mixon have worked on the referenced Sun patent application, entitled "Method of Processing Signed Loads with the Same Latency as Unsigned Loads in a High-Frequency Processor".

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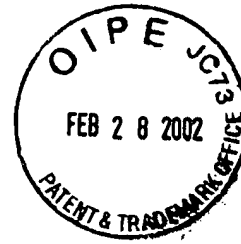
We would very much like to file this application as soon as possible, so your attention to this matter is appreciated. Should you have any questions concerning our request, please feel free to contact either Mr. Qureshi or me.

Thank you.

*Beri Hartwell
Rosenthal & Osha L.L.P.
700 Louisiana, Suite 4550
Houston, Texas 77002
(713) 228-8600
hartwell@rosha.com*

Beri W. Hartwell

From: MAILER-DAEMON@yahoo.com
Sent: Thursday, November 08, 2001 1:08 PM
To: Hartwell
Subject: failure delivery



Message from yahoo.com.

Unable to deliver message to the following address(es).

<david.pini@yahoo.com>:

This user doesn't have a yahoo.com account (david.pini@yahoo.com)

<dpini@yahoo.com>:

This user doesn't have a yahoo.com account (dpini@yahoo.com)

--- Original message follows.

Return-Path: <hartwell@rosha.com>

The original message is over 5k. Message truncated to 1K.

X-Track: 1: 40

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by mta518.mail.yahoo.com with SMTP; 08 Nov 2001 08:01:09 -0800 (PST)
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From: "Beri W. Hartwell" <hartwell@rosha.com>

To: <dpini@yahoo.com>, <david.pini@yahoo.com>

Cc: "Wasif Qureshi" <qureshi@rosha.com>

Subject: Sun Reference No. P5030 (our file 03226.035001)

Date: Thu, 8 Nov 2001 09:59:52 -0600

Message-ID: <000401c1686e\$66fe07e0\$5b946dce@mmw2>

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*** MESSAGE TRUNCATED ***

Beri W. Hartwell

From: Anup Tirumala [anupst@yahoo.com]
Sent: Wednesday, November 07, 2001 8:28 PM
To: Hartwell
Subject: Re: Sun reference number P5030



Hello Beri,

Yes. I remember the patent. Sorry for the snafu. I was indeed out of the country. I have also left my previous place of work, so my phone may not have worked.

Please mail patent application to:

anup s. tirumala
421, Camille Circle, #15,
San Jose, CA 95134.

thanx,

anup

--- "Beri W. Hartwell" <hartwell@rosha.com> wrote:

- > Dear Anup:
- > My name is Beri Hartwell and I am the assistant to
- > Wasif Qureshi. I was
- > also previously the assistant to David Mixon. Both
- > Messrs. Qureshi and
- > Mixon have worked on the referenced Sun patent
- > application, entitled "Method
- > of Processing Signed Loads with the Same Latency as
- > Unsigned Loads in a
- > High-Frequency Processor".
- >
- > On July 31, 2001 we sent a final draft package
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- > and Assignment) to you at the address we had on
- > file: 3061 Zanker Road,
- > Suite B, San Jose, CA 95134. We never received
- > back your comments to the

> application (if any) or the signed formal papers.
> We recently learned you
> are currently out of the country.
>
> We would greatly appreciate it if you would provide
> us with an address where
> we could re-send to you the final draft and formal
> papers for this
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> but a physical address
> would also suffice.
>
> We would very much like to file this application as
> soon as possible, so
> your attention to this matter is appreciated.
> Should you have any questions
> concerning our request, please feel free to contact
> either Mr. Qureshi or
> me.
>
> Thank you.
> Beri Hartwell
> Rosenthal & Osha L.L.P.
> 700 Louisiana, Suite 4550
> Houston, Texas 77002
> (713) 228-8600
> hartwell@rosha.com
>
>

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TELEPHONE: (713) 228-8600
FACSIMILE: (713) 228-8778

ROSENTHAL & OSHA L.L.P.

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Date: November 8, 2001

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To: Yuefei Ge

Fax No.: (408) 616-5523

CC:

From: John Osha

Re: Sun Ref. No. P5030

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Fax

Date: November 8, 2001

File: 03226.035001

To: Yuefei Ge

Fax No.: (408) 616-5523

CC:

From: John Osha

Re: Sun Ref. No. P5030

Pages (including cover sheet): 32

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Company name Sun Microsystems, Inc.

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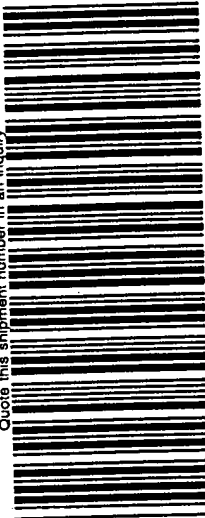
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1 From (Shipper)

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Company name ROSENTHAL AND OSHA LLP
Shipper's name B. HARTWELL

Address SUITE 4550
700 LOUISIANA ST
HOUSTON TX

Zip code (required) 770022700 Phone/Fax/E-mail circle one (required) (713) 228-8600

2 To (Recipient)

Company name (Residence)
Attention ANUP S. TIRUMALA
Delivery address DHL cannot deliver to a PO Box

421 Camille Circle, #15
San Jose, California

Zip/Postcode (required) 95134 Phone/Fax/E-mail circle one (required) ANUPST@YAHOO.COM

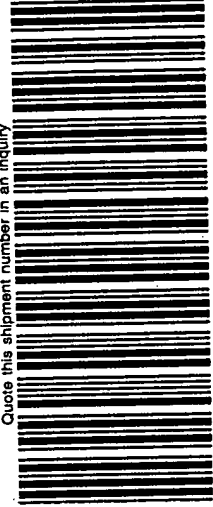
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ROSENTHAL & OSHA L.L.P.

UNITED STATES
EUROPE

SUITE 4550 • 700 LOUISIANA STREET
HOUSTON • TEXAS 77002

TELEPHONE: (713) 228-8600

FACSIMILE: (713) 228-8778

EUROPEAN OFFICE:
121, AVENUE DES CHAMPS ELYSÉES
75008 PARIS • FRANCE

November 8, 2001

***Via DHL Worldwide Express
U.S. Overnight Service***

David M. Pini
838 East Dana Street
Mountain View, CA 94041

***Via Facsimile No.:
(408) 616-5523 and***

Yuefei Ge
Sun Microsystems, Inc.
901 San Antonio Road
M/S: 03-202
Palo Alto, CA 94303

***SUN DRAFT
Proprietary / Confidential***

***Via DHL Worldwide Express
U.S. Overnight Service***

Anup S. Tirumala
421 Camille Circle, #15
San Jose, CA 95134

Re: New U.S. Utility Patent Application Entitled:
"Method of Processing Signed Loads with the Same Latency as
Unsigned Loads in a High-Frequency Processor"
Inventors: David M. PINI et al.
Our File: 03226.035001
Sun Reference: P5030

Gentlemen:

Thank you for your assistance in the preparation of the referenced patent application. Please find enclosed the final draft of the application, the Declaration, and Assignment. Please review the application and sign the Declaration and Assignment. Upon signing the documents, please return a copy to us via facsimile. In addition, please forward the original executed documents to us by U.S. mail. These documents need to be returned to us as soon as possible. If you have any final comments to provide, please do so as soon as possible and do **NOT** sign the Declaration and Assignment until you have received a corrected copy of the application from us.

ROSENTHAL & OSHA L.L.P.

David M. Pini,
Yeufei Ge and
Anup S. Tirumala
November 8, 2001
Page 2

If you have any questions, please do not hesitate to contact us.

Very truly yours,



Jonathan P. Osha

JPO/WHQ/bwh

Confirmation Package With Enclosures Via Regular U.S. Mail
Yuefei Ge

cc: Managing Sun Attorney
c/o Pam Disney via facsimile no.: (650) 336-0530
Sun Microsystems, Inc.
901 San Antonio Road
M/S: PAL01-521
Palo Alto, CA 94303

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UNITED STATES
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75008 PARIS • FRANCE

November 8, 2001

Via Facsimile No.: (408) 616-5523

Yuefei Ge
Sun Microsystems, Inc.
901 San Antonio Road
M/S: 03-202
Palo Alto, CA 94303

***Sun Draft
Proprietary / Confidential***

Re: New U.S. Utility Patent Application Entitled:
*"Method of Processing Signed Loads with the Same Latency as
Unsigned Loads in a High-Frequency Processor"*
Inventors: David M. PINI et al.
Our File: 03226.035001
Sun Reference: P5030

Dear Mr. Ge:

Enclosed herein please find a package containing the final draft of the referenced patent application, the Declaration and the Assignment (also known as the "formal papers"). You may recall that you had previously signed these formal papers on June 12, 2001, which we subsequently received.

Until recently, we had been unable to locate one of your co-inventors, Anup Tirumala, who was temporarily out of the country. Mr. Tirumala is now back in the United States with a new address. Due to the change in Mr. Tirumala's address, combined with the fact that it has been more than three months since you signed the formal papers, it is now necessary that we obtain your signature *again* on the enclosed Declaration and Assignment.

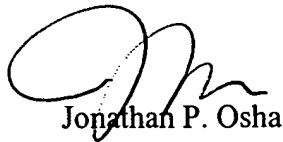
Although no changes have been made to the patent application since you last signed the Declaration and Assignment, we ask that you please review the application again before you sign them. After signing the papers, we ask that you return a copy to us via facsimile, and mail the originally signed documents to us by regular U.S. mail. If you have any final comments to provide, please do so as soon as possible and do **NOT** sign the Declaration and Assignment until you have received a corrected copy of the application from us.

ROSENTHAL & OSHA L.L.P.

David M. Pini,
Yeufei Ge and
Anup S. Tirumala
November 8, 2001
Page 2

If you have any questions, please do not hesitate to contact us.

Very truly yours,



Jonathan P. Osha

JPO/WHQ/bwh

Confirmation Package With Enclosures Via Regular U.S. Mail
Yuefei Ge

cc: Managing Sun Attorney
c/o Pam Disney via facsimile no.: (650) 336-0530
Sun Microsystems, Inc.
901 San Antonio Road
M/S: PAL01-521
Palo Alto, CA 94303

Wasif Qureshi (firm)

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SUN MICROSYSTEMS, INC.

having the following address:

**901 San Antonio Road, MS PAL01-521
Palo Alto, California 94303**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

ROSENTHAL & OSHA L.L.P.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____ Date	Signature: _____ Print or Type Name: David M. PINI
_____ Date	Signature: _____ Print or Type Name: Yuefei GE
_____ Date	Signature: _____ Print or Type Name: Anup S. TIRUMALA
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date:

ROSENTHAL & OSHA L.L.P.

Docket No.
03226.035001;P5030

Declaration For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF PROCESSING SIGNED LOADS WITH THE SAME LATENCY AS UNSIGNED LOADS IN A HIGH-FREQUENCY PROCESSOR

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor David M. PINI	
Sole or first inventor's signature	Date
Residence 838 E. Dana St., Mountain View, CA 94041	
Citizenship USA	
Post Office Address 838 E. Dana St., Mountain View, CA 94041	

Full name of second inventor, if any Yuefei GE	
Second inventor's signature	Date
Residence 1407 Bing Drive, San Jose, CA 95129	
Citizenship China	
Post Office Address 1407 Bing Drive, San Jose, CA 95129	

Full name of third inventor, if any Anup S. TIRUMALA	
Third inventor's signature	Date
Residence 421 Camille Circle, #15, San Jose CA 95134	
Citizenship India	
Post Office Address 421 Camille Circle, #15, San Jose CA 95134	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

FIRST DRAFT
SUN PROPRIETARY/ATTORNEY WORK PRODUCT

APPLICATION
FOR
UNITED STATES LETTERS PATENT

**TITLE: METHOD OF DOING SIGNED LOADS WITH THE
SAME LATENCY AS UNSIGNED LOADS IN A HIGH-
FREQUENCY PROCESSOR**

APPLICANTS: David PINI, Yuefei GE and Anup TIRUMALA